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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/551,593	09/30/2005	Yuji Hiroshige	58666US005 5641	
	7590 07/13/200 IVE PROPERTIES CO	EXAMINER		
PO BOX 33427		THOMAS, JAISON P		
ST. PAUL, MN 55133-3427			ART UNIT	PAPER NUMBER
			1751	
. ·			NOTIFICATION DATE	DELIVERY MODE
			07/13/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

LegalUSDocketing@mmm.com LegalDocketing@mmm.com

		Application No.	Applicant(s)		
		10/551,593	HIROSHIGE ET AL.		
	Office Action Summary	Examiner	Art Unit		
	·	Jaison P. Thomas	1751		
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address		
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period varie to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status					
·	Responsive to communication(s) filed on 30 Ap				
	This action is FINAL. 2b) ☐ This action is non-final.				
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
	·	x parte Quayle, 1999 O.D. 11, 40	50 0.0. 210.		
Dispositi	ion of Claims				
5)□ 6)⊠ 7)□	Claim(s) 7-26 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 7-26 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.	· .		
Applicati	ion Papers				
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	epted or b) objected to by the lad a by the lad a by the lad and one of the lad and one o	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).		
Priority u	under 35 U.S.C. § 119	·			
a)l	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage		
			,		
Attachmen 1) Notic	t(s) e of References Cited (PTO-892)	, A) 🗖 Javas (2000)	(DTO 412)		
2) Notic 3) Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte		

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DETAILED ACTION

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1. This action is responsive to amendments filed on 4/30/2007

2. Claims 7-26 are pending.

3. Claims 7-26 stand rejected under 35 USC 102(b) as being anticipated by Kojima et al. (US Patent 4654255).

- 4. Claims 7-26 stand rejected under 35 USC 103(a) as being unpatentable over Kojima et al. (US Patent 4654255).
- 5. The rejections of Claims 7-26 under 35 USC 103(a) as being unpatentable over Schmitt et al. (US Patent 5412035) in view of Rinde et al. (US Patent 5470622) are withdrawn in view of Applicant's arguments.

Response to Arguments

6. Applicant's arguments filed 4/30/2007 have been fully considered but they are not persuasive.

102 Rejections

7. With respect to the 102 rejections over Kojima, Applicant argues that Kojima refers to the polymers in the specification as being "epoxy-containing olefin polymers" and routinely recites this throughout the Specification and cites examples supporting this position in Specification of Kojima.

The Examiner respectfully disagrees with Applicant's contentions. While it is true that the polymer is referred to as epoxy containing olefin, the label does not fully illustrate the content of the polymer. As stated in the previous Office Action, the

polymer can contain up to 49.95 weight percent of an "ethylenically unsaturated monomer" which includes methacrylic acids and esters of the acrylic acids i.e. acrylates. Further, the invention can contain separate thermoplastic polymers which also include copolymers of ethylene and esters of acrylic or methacrylic acids.

103 Rejections

8. With respect to the 103 rejections over Kojima, Applicant argues that the Kojima reference fails to teach the crystalline and non-crystalline aspects of the polymer and that Kojima does not teach, suggest or describe an acrylic based composition.

The Examiner respectfully disagrees with Applicant's contentions. As discussed in the previous Office Action and above, the polymer does contain a significant percentage of acrylic based monomers in the polymer. Further, it is notoriously well known in the art that the physical properties (e.g., crystallinity) of a polymer can be tailored depending on the selection of monomers that comprise the polymer and, due to the ranges of monomer content taught by the reference, such tailoring would be obvious to one of ordinary skill in the art.

Conclusion

9. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

- 10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jaison P. Thomas whose telephone number is (571) 272-8917. The examiner can normally be reached on Mon-Fri 8:30 am to 5:00 pm.
- 11. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas McGinty can be reached on (571) 272-1029. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jaison Thomas Examiner 7/9/2007

JT

DOUGLAS MCGINTY
SUPERVISORY PATENT EXAMINER

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